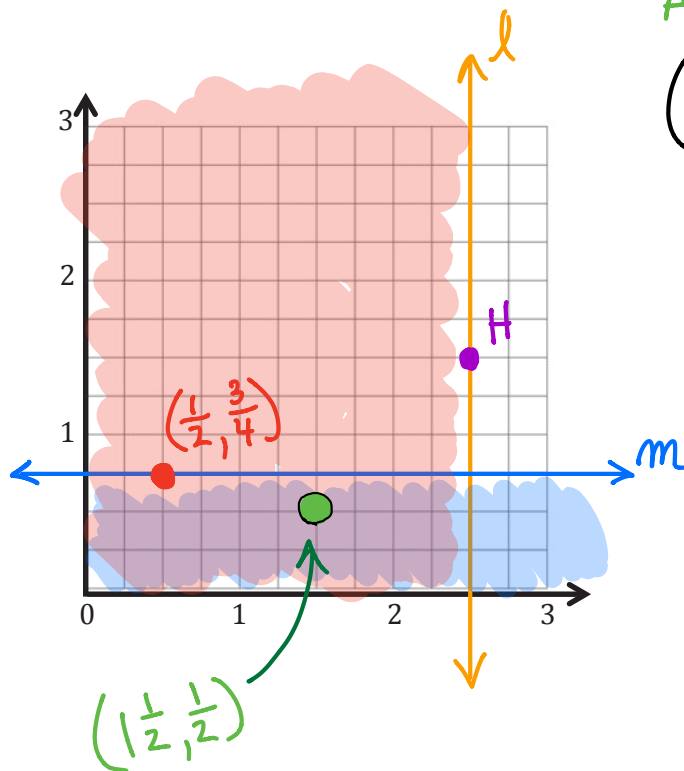


Name \_\_\_\_\_

Date \_\_\_\_\_

- Plot the point  $H$  ( $2\frac{1}{2}, 1\frac{1}{2}$ ).
- Line  $\ell$  passes through point  $H$  and is parallel to the  $y$ -axis. Construct line  $\ell$ .
- Construct line  $m$  such that the  $y$ -coordinate of every point is  $\frac{3}{4}$ .
- Line  $m$  is  $\frac{3}{4}$  units from the  $x$ -axis.
- Give the coordinates of the point on line  $m$  that is  $\frac{1}{2}$  unit from the  $y$ -axis.
- With a blue pencil, shade the portion of the plane that is less than  $\frac{3}{4}$  unit from the  $x$ -axis.
- With a red pencil, shade the portion of the plane that is less than  $2\frac{1}{2}$  units from the  $y$ -axis.
- Plot a point that lies in the double-shaded region. Give the coordinates of the point.



Answers will vary.

$$\left(x < 2\frac{1}{2}, y < \frac{3}{4}\right)$$